

What is claimed is:

1. A susceptor device comprising:
 - a ceramic base body of which main surface serves for mounting a plate sample
 - 5 thereon;
 - an inner electrode which is disposed on other main surface of the ceramic base body;
 - an electricity supplying terminal which is connected to the inner electrode electrically;
 - 10 an insulating sprayed layer which covers the inner electrode, and a connecting section of the inner electrode and the electricity supplying terminal; and
 - an temperature controlling section which is disposed beneath the insulating sprayed layer and has a flow path inside of the temperature controlling section for circulating a medium for controlling the temperature of the medium, wherein
 - 15 the insulating sprayed layer and the temperature controlling section are attached via a bonding agent layer; and
 - the base body and the temperature controlling section are formed unitarily.
2. A susceptor device according to Claim 1 wherein the thickness of the insulating sprayed layer is in a range of 20 μm to 500 μm .
3. A susceptor device according to Claim 1 or 2 wherein the thickness of the inner electrode is in a range of 5 μm to 200 μm .
- 25 4. A susceptor device according to Claim 3 wherein:

a convex fitting section is disposed on a peripheral section on either one of the base body or the temperature controlling section;

a concave fitting section is disposed on a peripheral section on the base body under condition that the base body does not have the convex fitting section or on a

5 peripheral section on the temperature controlling section under condition that the temperature controlling section does not have the convex fitting section;

the convex fitting section and the concave fitting section are fitted together; and

the insulating sprayed layer and the bonding agent layer are sealed from the outside.